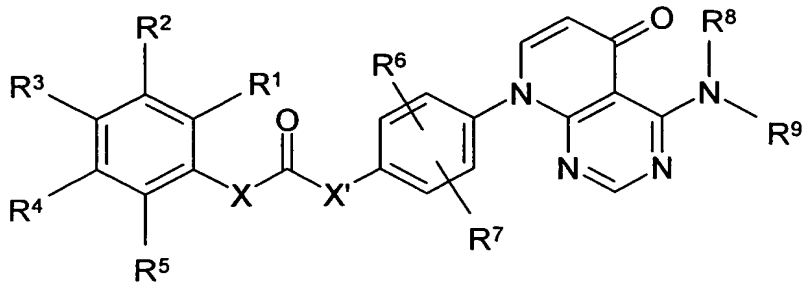
Patent Claims

1. Compounds of the formula I



I

in which

R^1, R^2, R^3,

R^4, R^5 each, independently of one another, denote H, A, OH, OA, alkenyl, alkynyl, NO_2, NH_2, NHA, NA_2, Hal, CN, COOH, COOA, -OHet, -O-alkylene-Het, -O-alkylene-NR^8R^9, $CONR^8R^9$, CH(OH)-A or -C(=O)-A

two adjacent radicals selected from R^1, R^2, R^3, R^4, R^5 together also denote -O-CH_2-CH_2-, -O-CH_2-O-, -O-CH_2-CH_2-O-, -O-CA_2-O- or -O-CF_2-O-

R^6, R^7 each, independently of one another, denote H, A, Hal, OH, OA or CN,

R^8, R^9 each, independently of one another, denote H or alkyl having 1-6 C atoms, in which one or two CH_2 groups may be replaced by O and/or N atoms,

Het denotes a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having 1 to 4 N, O and/or S atoms, which may be unsubstituted or mono-, di- or trisubstituted by Hal, A, OA, COOA, CN or carbonyl oxygen (=O),

A denotes alkyl having 1 to 10 C atoms, in which, in addition, 1-7 H atoms may be replaced by F and/or chlorine,

X, X' each, independently of one another, denotes NH or is absent,

Hal denotes F, Cl, Br or I,

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

2. Compounds according to Claim 1, in which

X denotes NH or is absent,

X' denotes NH,

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

3. Compounds according to Claim 1 or 2 in which

R^1, R^2, R^3,

R^4, R^5 each, independently of one another, denote H, A, OH, OA, NO_2, NH_2, NHA, NA_2, Hal, CN, -OHet, -O-alkylene-Het, -O-alkylene-NR^8R^9, CH(OH)-A or -C(=O)-A,

two adjacent radicals selected from R^1, R^2, R^3, R^4, R^5 together also denote -O-CH_2-CH_2-, -O-CH_2-O-, -O-CH_2-CH_2-O-, -O-CA_2-O- or -O-CF_2-O-

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

4. Compounds according to one or more of Claims 1-3 in which

Het denotes a monocyclic saturated heterocycle having 1 to 3 N, O and/or S atoms, which is unsubstituted or may be monosubstituted by COOA or A,

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

5. Compounds according to one or more of Claims 1-4 in which

R^6, R^7 denote H,

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

6. Compounds according to one or more of Claims 1-5 in which

R^8, R^9 denote H,

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

7. Compounds according to one or more of Claims 1-6 in which

X denotes NH or is absent,

X' denotes NH,

R^1, R^2, R^3,

R^4, R^5 each, independently of one another, denote H, A, OH, OA, NO_2, NH_2, NHA, NA_2, Hal, CN, -OHet, -O-alkylene-Het, -O-alkylene-NR^8R^9, CH(OH)-A or -C(=O)-A,

two adjacent radicals selected from R^1, R^2, R^3, R^4, R^5 together also denote -O-CH_2-CH_2-, -O-CH_2-O-, -O-CH_2-CH_2-O-, -O-CA_2-O- or -O-CF_2-O-

Het denotes a monocyclic saturated heterocycle having 1 to 3 N, O and/or S atoms, which is unsubstituted or may be monosubstituted by COOA or A,

R^6, R^7 denote H,

R^8, R^9 each, independently of one another, denote H or alkyl having 1-6 C atoms, in which one or two CH_2 groups may be replaced by O and/or N atoms,

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

8. Compounds according to one or more of Claims 1-7 in which

X denotes NH or is absent,

X' denotes NH,

R^1, R^2, R^3,

R^4, R^5 each, independently of one another, denote H, A, OH, OA, NO_2, NH_2, NHA, NA_2, Hal, CN, -OHet, -O-alkylene-Het, -O-alkylene-NR^8R^9, CH(OH)-A or -C(=O)-A,

two adjacent radicals selected from R^1, R^2, R^3, R^4, R^5 together also denote -O-CH_2-CH_2-, -O-CH_2-O-, -O-CH_2-CH_2-O-, -O-CA_2-O- or -O-CF_2-O-

R^6, R^7 denote H,

R^8, R^9 each, independently of one another, denote H or alkyl having 1-6 C atoms, in which one or two CH_2 groups may be replaced by O and/or N atoms,

Het denotes piperidinyl, pyrrolidinyl, morpholinyl or piperazinyl, each of which is unsubstituted or monosubstituted by COOA or A,

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

9. Compounds according to Claim 1, selected from the group

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2-fluoro-5-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(4-chloro-5-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2,4-difluorophenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2,6-difluorophenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-fluoro-5-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(4-fluoro-5-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(4-methyl-5-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2,3,4,5,6-pentafluorophenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2,4-dibromo-6-fluorophenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2-fluoro-6-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2-fluoro-5-methylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2,3,4-trifluorophenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(4-bromo-2,6-difluorophenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2-fluoro-3-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[2-(1-tert-butyloxycarbonylpiperidin-4-yl)phenyl]urea,

N-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-2,4-dichlorobenzamide,

N-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-4-chloro-5-trifluoromethylbenzamide,

N-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-2-fluoro-5-trifluoromethylbenzamide,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[3-chloro-5-trifluoromethyl-2-(piperidin-4-yloxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[(2-fluoro-5-(2-dimethylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[5-fluoro-2-(piperidin-4-yloxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[4-chloro-5-trifluoromethyl-2-(piperidin-4-yloxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[2-(piperidin-4-yloxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[2-fluoro-5-(2-diethylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[2-fluoro-5-[2-(piperidin-1-yl)ethoxy]phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[4-fluoro-2-(2-dimethylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[4-fluoro-2-(2-diethylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[3-chloro-4-[2-(morpholin-4-yl)ethoxy]phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[4-fluoro-2-[2-(morpholin-4-yl)ethoxy]phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[3-chloro-4-(2-dimethylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[3-chloro-4-(2-diethylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[4-chloro-2-(2-dimethylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[2-chloro-5-(2-diethylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[3-trifluoromethyl-6-[3-(morpholin-4-yl)propoxy]phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2-{{2-[(2-methoxyethyl)methylamino]ethoxy}-5-trifluoromethylphenyl)-urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(4-{{2-[(2-methoxyethyl)methylamino]ethoxy}-3-trifluoromethylphenyl)-urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[3-trifluoromethyl-4-(2-methylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[5-trifluoromethyl-2-(2-methylaminoethoxy)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[3-trifluoromethyl-4-[3-(morpholin-4-yl)propoxy]phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[4-(1-methylpiperidin-4-yloxy)-3-trifluoromethylphenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[4-(1-methylpiperidin-4-ylmethoxy)-3-trifluoromethylphenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[4-(piperidin-4-ylmethoxy)-3-trifluoromethylphenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[2-(piperidin-4-yl-methoxy)-5-trifluoromethylphenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[2-(1-methylpiperidin-4-ylmethoxy)-5-trifluoromethylphenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2-fluorophenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-bromo-5-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-benzo-1,3-dioxol-5-ylurea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2,2-dimethylbenzo-1,3-dioxol-5-yl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-trifluoromethoxyphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(4-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2-methoxy-5-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2-fluoro-5-methylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-tert-butylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-isopropylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-acetylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(4-methoxy-5-trifluoromethylphenyl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-[3-(2,2,2-trifluoro-1-hydroxyethyl)phenyl]urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-ethylphenyl)urea,

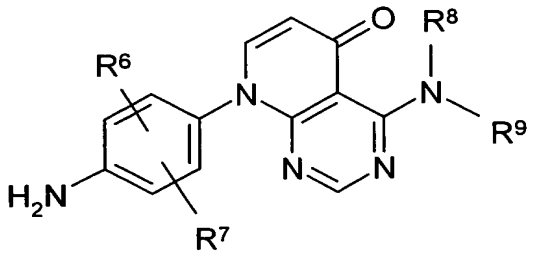
1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(2,2-difluorobenzo-1,3-dioxol-5-yl)urea,

1-[4-(4-amino-5-oxo-5*H*-pyrido[2,3-*d*]pyrimidin-8-yl)phenyl]-3-(3-methoxy-5-trifluoromethylphenyl)urea, 471;

and pharmaceutically usable derivatives, solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

10. Process for the preparation of compounds of the formula I according to Claims 1-9 and pharmaceutically usable derivatives, salts, solvates, tautomers and stereoisomers thereof, characterised in that

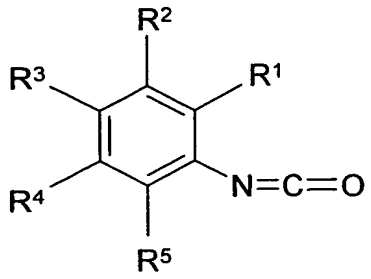
a) for the preparation of compounds of the formula I in which X, X' denote NH,
a compound of the formula II



II

in which R^6, R^7, R^8 and R^9 have the meanings indicated in Claim 1,

is reacted with a compound of the formula III

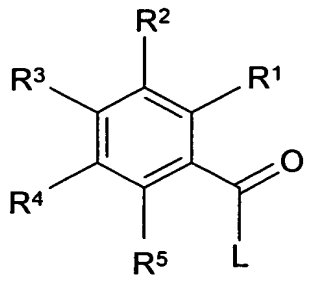


III

in which R^1, R^2, R^3, R^4 and R^5 have the meanings indicated in Claim 1,

or

b) for the preparation of compounds of the formula I in which X is absent and X' denotes NH,
a compound of the formula II is reacted with a compound of the formula IV



IV

in which R^1, R^2, R^3, R^4 and R^5 have the meanings indicated in Claim 1,

and L denotes Cl, Br, I or a free or reactively functionally modified OH group,

and/or

a base or acid of the formula I is converted into one of its salts.

11. Medicaments comprising at least one compound of the formula I according to Claim 1 and/or pharmaceutically usable derivatives, salts, solvates, tautomers and stereoisomers thereof, including mixtures thereof in all ratios, and optionally excipients and/or adjuvants.

12. Use of compounds according to Claim 1 and pharmaceutically usable derivatives, salts, solvates, tautomers and stereoisomers thereof, including mixtures thereof in all ratios, for the preparation of a medicament for the treatment of diseases in which the inhibition, regulation and/or modulation of kinase signal transduction plays a role.

13. Use according to Claim 12, where the kinases are selected from the group of the tyrosine kinases and Raf kinases.

14. Use according to Claim 13, where the tyrosine kinases are TIE-2, VEGFR, PDGFR, FGFR and/or FLT/KDR.

15. Use according to Claim 13 of compounds according to Claim 1, and pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios, for the preparation of a medicament for the treatment of diseases which are influenced by inhibition of tyrosine kinases by the compounds according to Claim 1.

16. Use according to Claim 15 for the preparation of a medicament for the treatment of diseases which are influenced by inhibition of TIE-2, VEGFR, PDGFR, FGFR and/or FLT/KDR by the compounds according to Claim 1.

17. Use according to Claim 15 or 16, where the disease to be treated is a solid tumour.

18. Use according to Claim 17, where the solid tumour originates from the group of tumours of the squamous epithelium, the bladder, the stomach, the kidneys, of head and neck, the oesophagus, the cervix, the thyroid, the intestine, the liver, the brain, the prostate, the urogenital tract, the lymphatic system, the stomach, the larynx and/or the lung.

19. Use according to Claim 17, where the solid tumour originates from the group monocytic leukaemia, lung adenocarcinoma, small-cell lung carcinomas, pancreatic cancer, glioblastomas and breast carcinoma.

20. Use according to Claim 17, where the solid tumour originates from the group of lung adenocarcinoma, small-cell lung carcinomas, pancreatic cancer, glioblastomas, colon carcinoma and breast carcinoma.

21. Use according to Claim 15 or 16, where the disease to be treated is a tumour of the blood and immune system.

22. Use according to Claim 21, where the tumour originates from the group of acute myelotic leukaemia, chronic myelotic leukaemia, acute lymphatic leukaemia and/or chronic lymphatic leukaemia.

23. Use according to Claim 15 or 16 for the treatment of a disease in which angiogenesis is implicated.

24. Use according to Claim 23, where the disease is an ocular disease.

25. Use according to Claim 15 or 16 for the treatment of retinal vascularisation, diabetic retinopathy, age-induced macular degeneration and/or inflammatory diseases.

26. Use according to Claim 25, where the inflammatory disease originates from the group rheumatoid arthritis, psoriasis, contact dermatitis and delayed hypersensitivity reactions.

27. Use according to Claim 15 or 16 for the treatment of bone pathologies, where the bone pathology originates from the group osteosarcoma, osteoarthritis and rickets.

28. Use of compounds of the formula I according to Claim 1 and/or physiologically acceptable salts and solvates thereof for the preparation of a medicament for the treatment of solid tumours, where a therapeutically effective amount of a compound of the formula I is administered in combination with a compound from the group 1) oestrogen receptor modulator, 2) androgen receptor modulator, 3) retinoid receptor modulator, 4) cytotoxic agent, 5) antiproliferative agent,

6) prenyl-protein transferase inhibitor, 7) HMG-CoA reductase inhibitor, 8) HIV protease inhibitor, 9) reverse transcriptase inhibitor and 10) another angiogenesis inhibitor.

29. Use of compounds of the formula I according to Claim 1 and/or physiologically acceptable salts and solvates thereof for the preparation of a medicament for the treatment of solid tumours, where a therapeutically effective amount of a compound of the formula I is administered in combination with radiotherapy and a compound from the group 1) oestrogen receptor modulator, 2) androgen receptor modulator, 3) retinoid receptor modulator, 4) cytotoxic agent, 5) antiproliferative agent, 6) prenyl-protein transferase inhibitor, 7) HMG-CoA reductase inhibitor, 8) HIV protease inhibitor, 9) reverse transcriptase inhibitor and 10) another angiogenesis inhibitor.

30. Use according to Claim 15 or 16 for the preparation of a medicament for the treatment of diseases which are based on disturbed TIE-2 activity,
where a therapeutically effective amount of a compound according to Claim 1 is administered in combination with a growth-factor receptor inhibitor.

31. Use according to Claim 12 or 13 of compounds of the formula I for the preparation of a medicament for the treatment of diseases which are caused, mediated and/or propagated by Raf kinases.

32. Use according to Claim 31, where the Raf kinase is selected from the group consisting of A-Raf, B-Raf and Raf-1.

33. Use according to Claim 31, where the diseases are selected from the group of hyperproliferative and non-hyperproliferative diseases.

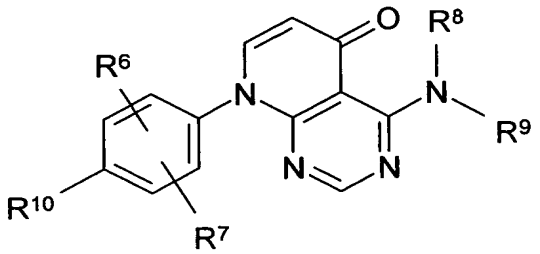
34. Use according to Claim 31 or 33, where the disease is cancer.

35. Use according to Claim 31 or 33, where the disease is non-cancerous.

36. Use according to Claim 31, 33 or 35, where the non-cancerous diseases are selected from the group consisting of psoriasis, arthritis, inflammation, endometriosis, scarring, benign prostatic hyperplasia, immunological diseases, autoimmune diseases and immunodeficiency diseases.

37. Use according to one of Claims 31, 33 and 34, where the diseases are selected from the group consisting of brain cancer, lung cancer, squamous cell cancer, bladder cancer, gastric cancer, pancreatic cancer, hepatic cancer, renal cancer, colorectal cancer, breast cancer, head cancer, neck cancer, oesophageal cancer, gynaecological cancer, thyroid cancer, lymphoma, chronic leukaemia and acute leukaemia.

38. Intermediate compounds of the formula I-1



I-1

in which

R^6, R^7 each, independently of one another, denote H, A, Hal, OH, OA or CN,

R^8, R^9 each, independently of one another, denote H or A,

R^{10} denotes NH_2 or NO_2,

A in each case, independently of one another, denotes alkyl having 1 to 10 C atoms, in which, in addition, 1-7 H atoms may be replaced by F and/or chlorine,

Hal denotes F, Cl, Br or I,

and solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.

39. Intermediate compounds according to Claim 38 in which

R^6, R^7 denote H

R^8, R^9 denote H,

and solvates, salts, tautomers and stereoisomers thereof, including mixtures thereof in all ratios.